

WHAT IS CLAIMED IS:

1. An electronic device for performing an arbitrary function, said electronic device being removably connectable to a main unit for exchanging data with the main unit, said electronic device comprising:

a register containing a current value of current consumed in said electronic device,

wherein said electronic device is adapted to output said current value from said register to the main unit and to receive a driving current having said current value from the main unit.

2. An electronic device according to Claim 1, wherein said register contains current information indicating the suppliability of said driving current from the main unit.

3. An electronic device according to Claim 2, wherein said register contains enablement information indicating whether the arbitrary function is enabled or disabled, the enablement information being set based on the current information.

4. An electronic device according to Claim 1, further comprising a plurality of contacts for establishing a connection with the main unit, one of said plurality of contacts being used only when the arbitrary function is executed, said one contact being maintained at a high impedance until the arbitrary function is enabled.

5. A unit having an electronic device removably connectable thereto for exchanging data with the electronic device and for causing an arbitrary function of the electronic device to be executed, said unit comprising:

a first reader operable to read from a register in the electronic device a current value of current consumed in the electronic device; and

a supply unit operable to supply a driving current to the electronic device based on the current value read from the register of the electronic device.

6. A unit according to Claim 5, further comprising a writing unit operable to write in the register current information indicating the suppliability of said driving current.

7. A unit according to Claim 5, further comprising a setting unit operable to set in the register enablement information indicating whether the arbitrary function to be executed using the electronic device is enabled or disabled based on the current information.

8. A unit according to Claim 5, further comprising a second reader operable to read from the register enablement information indicating whether the arbitrary function to be executed using the electronic device is enabled or disabled based on the current information.

9. A system, comprising:

a main unit; and

an electronic device for performing an arbitrary function, said electronic device being removably connectable to said main unit for exchanging data with said main unit, said electronic device including:

a register containing a current value of current consumed in said electronic device, and

an output operable to output said current value from said register to said main unit; and

said main unit including:

a first reader operable to read said current value from said register; and

a supply unit operable to supply a driving current to said electronic device based on said current value.

10. A system according to Claim 9, wherein said main unit includes a writing unit operable to write in said

register current information indicating the suppliability of said driving current; and

said register in said electronic device includes an area for writing said current information.

11. A system according to Claim 9, wherein said register includes an area for writing enablement information indicating whether the arbitrary function is enabled or disabled, the enablement information being based on said current information; and

said main unit further comprises a second reader operable to read said enablement information from said area of said register.